

Econometric methods for financial crises

Citation for published version (APA):

Dumitrescu, E-I. (2012). *Econometric methods for financial crises*. [Doctoral Thesis, Maastricht University]. Universitaire Pers Maastricht. <https://doi.org/10.26481/dis.20120531ed>

Document status and date:

Published: 01/01/2012

DOI:

[10.26481/dis.20120531ed](https://doi.org/10.26481/dis.20120531ed)

Document Version:

Publisher's PDF, also known as Version of record

Please check the document version of this publication:

- A submitted manuscript is the version of the article upon submission and before peer-review. There can be important differences between the submitted version and the official published version of record. People interested in the research are advised to contact the author for the final version of the publication, or visit the DOI to the publisher's website.
- The final author version and the galley proof are versions of the publication after peer review.
- The final published version features the final layout of the paper including the volume, issue and page numbers.

[Link to publication](#)

General rights

Copyright and moral rights for the publications made accessible in the public portal are retained by the authors and/or other copyright owners and it is a condition of accessing publications that users recognise and abide by the legal requirements associated with these rights.

- Users may download and print one copy of any publication from the public portal for the purpose of private study or research.
- You may not further distribute the material or use it for any profit-making activity or commercial gain
- You may freely distribute the URL identifying the publication in the public portal.

If the publication is distributed under the terms of Article 25fa of the Dutch Copyright Act, indicated by the "Taverne" license above, please follow below link for the End User Agreement:

www.umlib.nl/taverne-license

Take down policy

If you believe that this document breaches copyright please contact us at:

repository@maastrichtuniversity.nl

providing details and we will investigate your claim.

Propositions

accompanying the doctoral dissertation

ECONOMETRIC METHODS FOR FINANCIAL CRISES

by

Elena-Ivona Dumitrescu

1. A new approach to evaluate interval forecasts consists in testing a distributional (binomial) assumption in a GMM framework. (Chapter 2)
2. The adequate evaluation of Early Warning Systems (EWS) plays a crucial role in improving financial crises forecast. (Chapter 3)
3. The optimal cut-off is a key element in EWS evaluation, as it balances type I and type II errors. An adequate EWS evaluation hence requires to take into account the cut-off in the model comparison step and to determine optimal crisis forecasts. (Chapter 3)
4. The yield spread seems to improve currency crises forecasts in South-Asian emerging markets. (Chapter 3)
5. Dynamic binary EWS outperform their competitors (static binary models and Markov-Switching ones) not only in-sample but also out-of-sample both in time-series and panel frameworks. (Chapter 4)
6. Crises do mutate (spill-over from one market to another), rendering multivariate EWS models compulsory. (Chapter 5)
7. Reliable EWS evaluation must be based on statistical inference.
8. Moving towards reproducible research: you can find some of the Matlab codes used to obtain the results presented in this thesis on www.Runmycode.org.
9. Unfair and unbalanced: Risk is everywhere while only a handful of imperfect risk measures exist...
10. I adore cook recipes that taste good and rigorous econometric recipes that yield adequate results.